

BC

A-1

**Polymerization of rubidium nitrate, and the system  $RbNO_3-RbCl$ . A. F. ROZENTHAL (J. Russ. Phys. Chem. Soc., 1929, 62, 2667-2670).—A fourth polymorph of rubidium nitrate, transition point  $261-262^\circ$ , is described. The fusion diagram of the system  $RbNO_3-RbCl$  indicates the formation of two double compounds with transition points at  $238^\circ$  and  $10-4$  mol.-%  $RbNO_3$ , and  $304^\circ$  and  $24$  mol.-%  $RbNO_3$ .**

R. TRUSKOWSKI

PROCESSED AND PROPERTIES INDEX

COMMON ELEMENTS

COMMON VARIABLES INDEX

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

MATERIALS INDEX		AUTHOR INDEX	
GROUP	INDEX	LETTERS	ONLY ONE
1	A	A	A
2	B	B	B
3	C	C	C
4	D	D	D
5	E	E	E
6	F	F	F
7	G	G	G
8	H	H	H
9	I	I	I
10	J	J	J
11	K	K	K
12	L	L	L
13	M	M	M
14	N	N	N
15	O	O	O
16	P	P	P
17	Q	Q	Q
18	R	R	R
19	S	S	S
20	T	T	T
21	U	U	U
22	V	V	V
23	W	W	W
24	X	X	X
25	Y	Y	Y
26	Z	Z	Z

ROSTKOVSKI, A. P.

S. MUKIMOV, Ann. Sect. Anal. Phys. Chim. 1940, 12, 19-38, 39-50, 51-56, 57-63.

PROCESSES AND PROPERTIES INDEX

A-1

Water of hydration of crystalline compounds.  
 III. Thermometric analysis of the systems  $\text{CoSO}_4 \cdot n\text{H}_2\text{O}$ ,  $\text{Ni}(\text{Fe}(\text{CO})_5)_2 \cdot n\text{H}_2\text{O}$ , and  $\text{K}_2\text{Fe}(\text{C}_2\text{O}_4)_2 \cdot n\text{H}_2\text{O}$ .  
 A. E. Buzdakovskii. *J. Russ. Phys. Chem. Soc.* 1950, 62, 2631-2635. — The vapour-pressure isotherms of the above systems were determined at 25°. Cobalt sulphate forms hydrates with 1, 6, and 7 moles of water, nickel ferrioxalate combines with 2 and 5, and potassium ferrioxalate with 3 moles of water. In the first two systems there is no formation of solid solutions, but the last gives an uninterrupted series of solutions of trihydrate in anhydrous salt.

R. TRASKOWSKI.

METALLURGICAL LITERATURE CLASSIFICATION

FROM SYMBOLS

FROM SYMBOLS	FROM SYMBOLS	FROM SYMBOLS	FROM SYMBOLS
FROM SYMBOLS	FROM SYMBOLS	FROM SYMBOLS	FROM SYMBOLS

1ST AND 2ND ORDERS      PROCESSES AND PROPERTIES INDEX      3RD AND 4TH ORDERS

BC

A-1

Binary system: potassium nitrate-calcium nitrate. A. P. TRUSKOWSKI. (J. Res. Phys. Chem. Soc., 1980, 62, 2085-2089). The fusion diagram indicates the formation of a compound,  $4\text{KNO}_3 \cdot \text{Ca}(\text{NO}_3)_2$ , with a transition point at  $176^\circ$  and 71.3%  $\text{KNO}_3$ . The eutectic point is at  $145^\circ$  and 68.8%  $\text{KNO}_3$ . The system is characterized by the formation of vitreous melts, which readily exhibit supercooling with the formation of vitreous masses. The above double compound is not formed in aqueous solutions. R. TRUSKOWSKI.

Common Elements

Metals and Alloys

438-55A METALLURGICAL LITERATURE CLASSIFICATION

GROUP SYMBOLS

SECTION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

BC

PROCESSES AND PROPERTIES INDEX

Double decomposition in absence of a solvent.  
XVI. Mutual systems:  $\text{BaCl}_2 + \text{KNO}_3 \rightleftharpoons \text{BaCl}_2 + \text{KNO}_3$   
A. P. ROZDOVANI (J. Gen. Chem. Russ. 1934, 4, 1918-1920). The phase diagrams indicate formation of  $\text{KNO}_3$ ,  $\text{KCl}$  and  $\text{BaCl}_2 \cdot 2\text{KCl}$ .  
R. T.

ASB 51.6 METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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1. ROSTKOVSKIY, A.
2. USSR (600)
4. Irrigation
7. More about the problem of more effective exploitation of irrigation systems.  
Khlopkovodstvo, No.9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

1ST AND 2ND DEGREES

PROCESSES AND PROPERTIES INDEX

Decomposition of exchange in absence of solvent.  
 XVI. A. P. Rostkovskii, *J. Gen. Chem. (U. S. S. R.)*  
 1010-20(1934); cf. Chernomordik, *C. A.* 29, 9877.—  
 The system  $Ba(NO_3)_2 + (KCl)_2 \rightleftharpoons BaCl_2 + (KNO_3)_2$   
 investigated in fused condition shows the typical reciprocal  
 system and in addn. the formation of two double salts:  
 $KNO_3 \cdot KCl$  and  $BaCl_2 \cdot 2KCl$ . The direction of reaction  
 of the system at crystn. moves to the side of  $(KCl)_2 +$   
 $Ba(NO_3)_2$ . The surface of crystn. consists of four fields  
 of components and two fields of double salts. V. D. K.

COMMON ELEMENTS

MATERIALS INDEX

ASAC-55A METALLURGICAL LITERATURE CLASSIFICATION

SEARCHING

LETTER

KEY

CLASSIFICATION

1ST AND 2ND GROUPS      PROCESSES AND PROPERTIES INDEX

2

CA

Binary system: potassium nitrate-calcium nitrate. A. P. ROSTKOVSKII. *J. Russ. Phys.-Chem. Soc.* 62, 2055-W(1930).—In the system:  $KNO_3$ - $Ca(NO_3)_2$ , contrary to results of other investigators, the formation of the double salt  $4KNO_3 \cdot Ca(NO_3)_2$  was discovered. This salt melts with decompn. at  $174^\circ$ . The transition point corresponds to 71.3%  $KNO_3$ . The eutectic point corresponds to  $145^\circ$  and 65.8%  $KNO_3$ . The system is characterized by the formation of low-melting, viscous melts, easily changing on supercooling into glass-like masses stable at ordinary temp. This double salt was not discovered in earlier investigations in the diagrams of simultaneous solns. of the individual salts in aq. soln. S. L. MADORSKY

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

EZ

1ST AND 2ND GROUPS      PROCESSES AND PROPERTIES INDEX

PROCESS AND PROPERTY NOTES

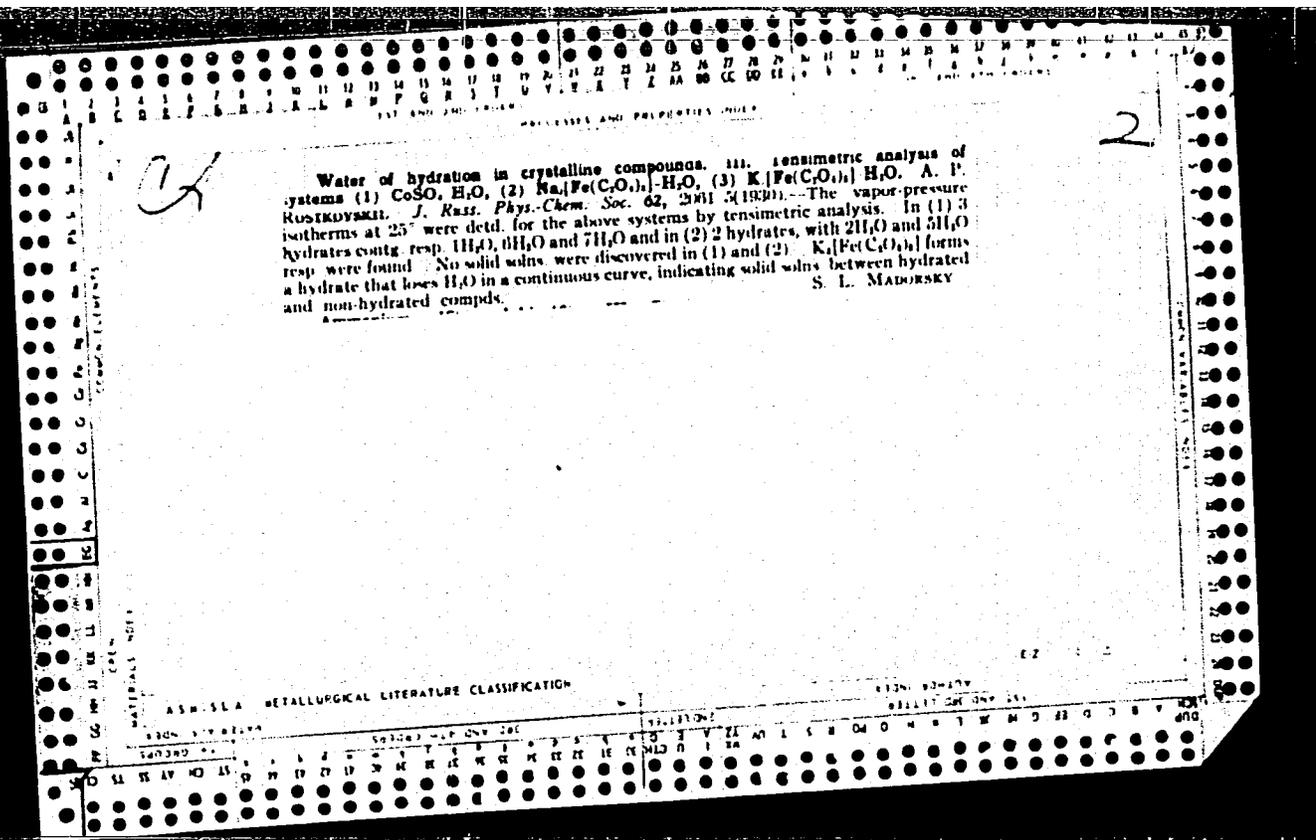
2

Polymorphism of rubidium nitrate and the system: rubidium nitrate rubidium chloride. A. P. Rostkovskii. *J. Russ. Phys.-Chem. Soc.* 62, 2067-70(1930). -A polymorphic transformation for  $RbNO_3$  was established at  $290 \pm 2^\circ C$ , thus showing that in the interval between room temp. and  $310^\circ$  there are 4 polymorphous forms with transition points at  $164.8^\circ$ ,  $222.8^\circ$  and  $290.2^\circ$ . The diagram for system  $RbNO_3$ ,  $RbCl$  shows the existence of 2 complexes corresponding to (1) 10.4 mol %  $RbNO_3$ , and  $340^\circ$  and (2) 24 mol %  $RbNO_3$ , and  $394^\circ$ . S. I. Matkovsky

METALLURGICAL LITERATURE CLASSIFICATION

7

AND



ROSTKOVSKIY, B.; KUTUKOV, A., kand.tekhn.nauk; SLOBODKIN, V., inzh.

Causes for the breakdown of crankshafts of ZD6 engines. Rech.  
transp. 20 no.12:30-31 D '61. (MIRA 14:12)

1. Glavnyy inzhener Volgo-Donskogo rechnogo parokhodstva (for  
Rostkovskiy).

(Marine engines)  
(Cranks and crankshafts)

ROSTKOVSKIY, B.A., dotsent

New methods of evaluating the accuracy of measurements. Izv. vys.  
ucheb. zav.; gor. zhur. no.12:43-52 '60. (MIRA 14:1)

1. Sredneaziatskiy politekhnicheskiy institut. Rekomendovana  
kafedroy goedezii i marksheyderskogo dela Sredneaziatskogo  
politekhnicheskogo instituta.

(Mine surveying)

ROSTKOVSKIY, B.A.

Estimation of accuracy in the new theory of errors of functions of directly measured values, values equalized by the method of least squares, and their functions. Trudy Sred.-Az.politekh.inst. no.12:245-257 '61. (MIRA 18:12)

ROZHNOKTY, E. A.

Mine Surveying

Question of relative weights of angles and length in their joint equilibration by the least squares method. (Trudy) VNEI 22, 1950.

9. Monthly List of Russian Accessions, Library of Congress, October 195<sup>2</sup>~~0~~, Uncl.

SOV/137-57-11-20881

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 11, p 34 (USSR)

AUTHOR: ~~Rostkovskiy~~, S.Ye.

TITLE: Theory and Practice of Flame Analog Simulation of Industrial Furnaces (Teoriya i praktika ogneвого modelirovaniya promyshlennykh pechey)

PERIODICAL: Tr. Nauchn.-tekhn. o-va chernoy metallurgii, 1956, Vol 7, pp 90-110 and 111-138

ABSTRACT: The construction of flame models (M) is based on the theory of analogy. A complete mathematical description of the hydrodynamics and the processes of combustion and heat exchange proceeding in the combustion chamber results in a complex system of equations (E) including factors of secondary importance. The simplified system of E employed for analysis of the similitude of processes in furnace and M comprises the following E: For continuity; for Navier-Stokes gas motion; for describing the field of concentrations of each of the components of the gas phase; the Fourier-Kirchhoff equation describing the temperature field in the combustion space, supplemented by terms providing for heat emission due to combustion and for

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SOV/137-57-11-20881

Theory and Practice of Flame Analog Simulation of Industrial Furnaces

radiant heat exchange; and the Fourier equation describing the temperature field in the metal being heated. The boundary conditions include the air and gas velocities, the concentrations of  $O_2$  and the gaseous components, and the air and gas temperatures at the burner mouth given as constants,  $E$  for the heat exchange at the inner wall surfaces, in which the heat transmitted by radiation, convection, and surface combustion is equated to the heat emission from the wall into the combustion chamber and to the outer atmosphere, and analogous  $E$  for the heat exchange at the surface of the metal. By reducing the system of  $E$  and the boundary conditions to dimensionless form by scale transforms we find that the temperature field is a function of more than 25 dimensionless quantities. The major practical conditions for similarity between the  $M$  and the sample ( $S$ ) are geometrical similarity, equality of the theoretical temperatures of combustion, coefficients of absorption and dissipation for the  $M$  higher than the  $S$  by a factor as large as large as that by which the  $S$  is greater than the  $M$  (this is attained in practice by substituting carbon dioxide for the  $N$  in the air and the fuel), equality of the heat capacities of the metal by relative to weight; the thermal conductivity of the metal must be smaller by the same factor as that by which the  $M$  is smaller than the  $S$  (this is attained by utilization of magnesite), and the coefficients of viscosity, diffusion, and thermal conductivity must be smaller

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SOV/137-57-11-20881

Theory and Practice of Flame Analog Simulation of Industrial Furnaces

by the same factor as the ratio between the M and the S (an unattainable condition). Other conditions may be calculated from the equations for the respective criteria. The error due to the unattainability of certain requirements of similarity are comparatively small. An investigation of an approximate M of a recuperative soaking pit built to 1/15 of natural size shows the temperature field in the combustion chamber and the metal essentially to correspond to that of the S. Thus, the relative temperature of a big-side-down ingot differed in the M at the close of the heating period by only 0.5% from that of the S.

B.M.

Card 3/3

ROSTKOVSKIY, S.Ye.

Stability of the conditions of gas flow in industrial furnaces.

Izv. vyzh. ucheb. zav.; chern. met. 7 no.3:201-202 '64.

(MIRA 17:4)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.

SAMARIN, A.M.; YEFIMOV, L.M.; VESEIKOV, N.G.; ORMAN, R.Z.; SHABANOV, A.N.;  
MOROZENSKIY, L.I.; GRANAT, I.Ya.; TOCHINSKIY, A.S.; ALYAVDIN, V.A.;  
DANILOV, P.M.; PETRIKEYEV, V.I.; POPOV, B.N.; BOBKOV, T.M.;  
ROSTKOVSKIY, S.Ye.; GAVRISH, D.I.; D'YAKONOV, N.S.; TIMOSHPOI'SKIY,  
M.N.; ROMANOV, V.D.; POCHTMAN, A.M.; MELESHKO, A.M.; PODGORETSKIY,  
A.A.; OFENGENDEN, A.M.; BRONSHTEYN, V.M.; FRIDANTESEV, M.V.; LIVSHITS,  
G.L.; ROZHKOY, V.A.; RUTES, V.S.

Reports (brief annotations). Biul. TSNIICM no.18/19:15-16 '57.

(MIRA 11:4)

1. Chlen-korrespondent AN SSSR (for Samarin). 2. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (for Rutes, Rostkovskiy, Fridantsev, Livshits, Rozhkov). 3. Stal'proyekt (for Shabanov). 4. Kuznetskiy metallurgicheskiy kombinat (for Alvavdin, Danilov, Petrikeyev). 5. Zavod "Elektrostal'" (for Popov). 6. "Dneprospetsstal'" (for Bobkov). 7. Glavogneupor Ministerstva chernoy metallurgii SSSR (for Gavrish). 8. Planovoye upravleniye Ministerstva chernoy metallurgii SSSR (for D'yakonov). 9. Otdel rabochikh kadrov, truda i zarplaty Ministerstva chernoy metallurgii SSSR (for Timoshpol'skiy). 10. Glavvtchermet Ministerstva chernoy metallurgii SSSR (for Romanov). 11. Giprostal' (for Pochtman). 12. Zavod im. Voroshilova (for Meleshko). 13. Zavod "Zaporozhstal'" (for Podgoretskiy). 14. Stalinskiy metallurgicheskiy zavod (for Ofengenden). 15. Nizhns-Tagil'skiy metallurgicheskiy kombinat (for Bronshteyn).

(Steel--Metallurgy)

SOV/137-58-7-14464

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 76 (USSR)

AUTHOR: Rostkovskiy, S.Ye.

TITLE: On the Heating of the Hot Heads of Ingots. Gas Heating (Opyt raboty po obogrevu pribyl'noy chasti slitka. Gazovyy obogrev)

PERIODICAL: Tr. Nauchno-tekhn. o-va chernoy metallurgii, 1957, Vol 18, pp 112-118

ABSTRACT: A brief presentation of the results of investigations, performed by the TsNICherMet both independently and in cooperation with the "Azovstal'" and "Dneprospetsstal'" plants, on gas-oxygen heating of risers (hot heads) on ingots (I) of killed steel in order to increase the production of sound metal. The process of the formation of a shrinkage cavity is examined and the temperature of the surface of the riser extension (RE), required to melt a thin peripheral crust of metal as the level of molten metal in the RE decreases in proportion to the solidification of the I, is determined (this temperature being 1580-1650°C in the case of fireclay RE's, and 1550-1600° in the case of RE's made of materials which are poor conductors of heat). Experimental data verified the correctness of the figures

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SOV/137-58-7-14464

On the Heating of the Hot Heads of Ingots. Gas Heating

quoted above and also established that, in order to eliminate shrinkage cavities, it is sufficient that the pool of molten metal be heated during the period of most intense shrinkage, i.e., during 70% of the time required for the crystallization of the I. In order to prevent any chemical changes from occurring in the body of the I, a reduction atmosphere must be maintained in the RE (by means of burning of coke gas with a deficiency of O<sub>2</sub>), while the pool of molten metal in the RE must be covered by a layer of neutral (white) slag. Designs of RE's with burners mounted on top or on the side are shown. In the case of a laterally mounted burner the heating of the periphery of the pool of molten metal is improved, but the durability of such RE's is reduced. In order to achieve a reduction atmosphere in the region of the RE, it is essential that only burners in which gas and O<sub>2</sub> have already been mixed preliminarily be employed. An installation employed at the "Dneprospetsstal" for heating of a four-ingot cluster is shown. The sequence of operations during heating, after the molds had been filled with metal, is described. In the course of heating of I's weighing 2.8 tons, a process which requires 60 minutes, the consumption of O<sub>2</sub> and of gas amounts to 32-35 m<sup>3</sup>/hr and 71-78 m<sup>3</sup>/hr, respectively; the method accomplishes a 7% saving of metal.

1. Steel--Production 2. Steel--Heating 3. Gases--Applications I.G.

Card 2/2

18.5100

78194  
SOV/133-60-3-19/24

AUTHOR: Roubkovsky, S. Ye.

TITLE: Rational Number of Pits for Blooming Mills

PERIODICAL: Stal', 1960, Nr 3, pp 274-278 (USSR)

ABSTRACT: To solve the problem of rational quantity of ingot seats assuring the continuous operation of blooming mills, the author investigates the following two graphs: (1) the graph of pit operation with the minimum number of required ingot seats; (2) the graph of pit operation with the maximum number of required ingot seats. The author also establishes by means of mathematical analysis: (a) the time required to load ingots from one melt by crane; (b) the time required to heat ingots depending on the temperature of ingots being charged; (c) the time required for ingot delivery as determined by the rate of rolling; (d) max and min capacity of the pit. These calculations are only approximate since they pertain only to hot

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Rational Number of Pits for Blooming Mills

78194

SOV/133-60-3-19/24

charging and fail to consider standstill during repairs and delays in local transportation. The author concludes that the application of an economical system with the maximum number of ingot seats in the pits would increase their capacity; result in a substantial saving of metal, fuel, and refractory; and decrease the amount of labor spent in repairs. In the U.S. a greater number of pits are used to service one blooming mill than in the USSR. The life of pits in the U.S. is 4-5 years against 1.5-2 years in the USSR. There are 4 figures; and 1 U.S. reference, Blast Furnace and Steel Plant, Vol 24, Nr 4, 1956.

ASSOCIATION: Central Scientific Research Institute of Ferrous Metallurgy (TsNIICHM)

Card 2/2

L 00240-66 — EWT(1)/FS(v)-3 — DD

ACCESSION NR: AP5016620

PO/0049/65/000/003/0277/0284

AUTHOR: Moskwa, W. ; Rostkowska, I. J.

47  
B

TITLE: Biophysical effects of a constant magnetic field

SOURCE: Kosmos — Seria A Biologia, no. 3, 1965, 277-284

TOPIC TAGS: magnetic field, bacteria, plant growth, neoplasm, conditioned reflex, psychoneurotic disorder

ABSTRACT: The authors review the current literature dealing with the effects of natural and artificial magnetic fields on plant and animal organisms, including man. It is pointed out that the development of plants is generally retarded in a magnetic field, and that corn, radishes, wheat, and beans grow better if their roots are directed toward the South Pole. Magnetic fields have also been shown to affect snails and fruit flies, although the orientation of birds is apparently not affected. Although pigeons do not develop defensive conditioned reflexes to a magnetic stimulus, bird behavior can be modified significantly by a magnetic field. It has long been suggested that there is a correlation between mental illness and magnetic storms, so that the effect on astronauts must be considered. Magnetic fields have

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L 00240-66

ACCESSION NR: AP5016620

also been shown to retard the growth of mice, bacteria and tumor cells, and to delay wound healing. It is thus possible that magnetism may have some therapeutic applications. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: None

ENCL: 00

SUB CODE: EM, LS

NO REF SOV: 002

OTHER: 026

*dg*  
Card 2/2

POLAND

LANKOWICZ, Wlodzimierz; KRZEMIŃSKA-LANKOWICZOWA, Izabela; PANASEWICZ, Jozef;  
SNIGUROWICZ, Jozef; KRAJ, Maria; ROSTKOWSKA, Jadwiga; ZIELINSKI, Jacek and  
MAJEMSKA, Zofia; Chair of Hematology of Postgraduate Medical Courses,  
Academy of Medicine and Hematology Clinic of Institute of Hygiene (Katedra  
Hematologii Stud. Dosk. Lek. AM i Klinika Hematologii III,) Head (Kierownik)  
Prof Dr W. LANKOWICZ; and Department of Physiopathology, Institute of Hygiene  
(Zaklad Fizjopatologii III) Head Docent Dr J PANASEWICZ, Warsaw.

"Comparative Studies of Human Blood Proteins and Those of Experimental Animals"  
Warsaw, Medycyna Doswiadczalna i Mikrobiologia, Vol 18, No 1, 1966; pp 83-88.

Abstract [English summary modified] : When studied by the same method, rabbits'  
serum proteins were more similar to human ones than those of rats or guinea  
pigs. Total proteins, erythrocyte sedimentation rates and haptoglobin levels  
were all lower in the animals than in man. Table, 2 electrophoregrams; 9  
Polish and 1 Western reference.

ROSTKOWSKA, Julia; MOSKWA, Walenty; KOWALCZYK, Stefan; BALCZYK,   
Czesław

Comparison of the effect of dilom<sup>1</sup> line and piperazine on the de-  
velopment of eggs of *Ascaris suum* (Goetz) in the presence of  
P32. Wiad. parazyt. 10 no.4:303-305 '64

1. Katedra Biologii Wojskowej i Katedra Fizyki Lekarskiej Aka-  
demii Medycznej, Lodz.

ROSTKOWSKA, Julia

An attempt to sensitise *Balantidium coli* (Malmsten) to penicillin. *Wiad. parazyt.* 10 no. 43/65-66 '67

1. Katedra Biologii Wojskowej Akademii Medycznej, Lodz.

KADLUBOWSKI, Roscislaw, ROSTKOWSKA, Julia

Sensitivity of *Balantidium coli* Stein to toxic substances. *Wiadomosci parazyt.*, Warsz. 4 no.5-6:663; Engl. transl. 663-664 1958.

1. Z Zakladu Biologii Ak. Med. w Lodzi.

(BALANTIDIUM, effect of drugs on,  
tox. substances on *Balantidium coli*, susceptibility (Pol))

ROSTKOWSKA, J.

Poison susceptibility of ciliates (*Paramecium caudatum* Ehrbg.;  
*Stylonychia mytilus* Ehrbg.), adapted to the hypertonic medium.  
*Acta biol exper* 21:5-14. '61.

1. Department of Biology, Military Academy of Medicine [Warsaw],  
Department of Biology and Medical Parasitology, Academy of Medicine,  
Lodz.

(CILIATA)

ROSTKOWSKI, F.

"Problem of indicators and technical and economic analysis in planning offices."

p. 13 (Budownictwo Przemyslowe) Vol. 6, no. 11, Nov. 1957  
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

ROSTKOWSKI, H.

Spreading of the catfish (Ameiurus nebulosus) in the waters of the Lublin region.  
p. 16.

Mechanization of equipment securing the access of oxygen for fish in wintertime. p. 17.  
Vol 8, no. 1, Jan. 1956. GOSPODARDA RYBENIA. Warsaw, Poland.

So: Eastern European Accession. Vol 5, no. 4, April 1956

KRZYMOWSKI, Tadousz; PRZALA, Jadwiga; POLUBIEC, Andrzej; OLK, Jerzy;  
ROSTKOWSKA, Jadwiga

Effect of the inhibition of the lymphatic system with adrenal  
cortex hormones on erythropoietic activity in experimental  
polycythemia. Acta physiol. pol. 14 no.5:461-469 S-0'63

1. Z Katedry Fizjologii Zwierzat WSR w Olsztynie (kierownik:  
doc.dr. T.Krzymowski) i z Kliniki Hematologicznej Instytutu  
Hematologii i Katedry Hematologii Studium Doskonalenia Lekarzy  
w Warszawie (kierownik: prof.dr. W.Lawkowicz).

\*

BRAGIEL, Irena; JASSER, Stefania; KOLAKOWSKA, Kazimiera; KRZEMINSKA-LAWKOWICZOWA, Irena; POLUBIEC, Andrzej; ROSTKOWSKA, Jadwiga.

Studies on the behavior of the properdin and complement levels in diseases of the hematopoietic system. Pol. arch. med. wewnet. 33 no.12:1359-1367 '63.

1. Z Kliniki Hematologicznej Instytutu Hematologii i Katedry Hematologii SDL w Warszawie (kierownik: prof.dr.med. W.Lawkowicz) i z Pracowni Wassermanowskiej Instytutu Hematologii w Warszawie.

\*

KADLUBOWSKI, Roscislaw; ROSTKOWSKA, Julia

Positive and negative chemotaxis and effect of drugs on Balantidium coli Stein. Acta parasit Pol 9 no.10/21:109-116 '61.

1. Department of Biology, Military Academy, Lodz and Department of Biology and Medical Parasitology, Academy of Medicine, Lodz. Head: Kadlubowski, Roscislaw, doc., dr.

ROSTKOWSKI, LUDWIK

The causes of blindness in Poland on the basis of eye examinations of blind subjects. Zdzier. publikacje 1/2:21-23  
Ja-9165.

*Rostkowski*  
EXCERPTA MEDICA Sec 17 Vol 5/5 Public Health May 59

1427. THE THEORY AND PRACTICE OF COMBATING TRACHOMA IN POLAND -  
Teoria i praktyka zwalczania jaglicy w Polsce - Rostkowski L. - ZDROW.  
PUBL. 1958, 1 (25-38) Illus. 13

The index of trachoma incidence, amounting before the war to 1-1.5%, has decreased after the war to 0.7-0.8 and to 0.2% in 1954. The new forms of campaign against trachoma are discussed: a mass action aiming at the combating of trachoma in the most affected districts, as well as the accelerated action aiming at a complete eradication of the disease. (XVII, 12)

ROSTKOWSKI, L.

"Some words about trachoma", p. 2, (ZDROWIE, Vol. 5, No. 6, 1953, Warszawa, Poland)

SO: Monthly List of East European Accessions, L.C., Vol. 3, No. 4, April, 1954

ROSTKOVSKIY, S. Ye., k<sub>2</sub>nd. tekhn. nauk

Efficient number of soaking pits for blooming mill operation. Stal'  
20 no.3:274-278 Mr '60. (MIRA 13:6)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallur-  
gii.

(Furnaces, Heating) (Rolling mills)

ROSTKOVSKIY, S.Ye.

Call Nr: AF 1114656

AUTHOR: See Table of Contents.

TITLE: Thermotechnics of Ingots and Furnaces (Teplotekhnika  
slitka i pechey) Collected Works (Sbornik trudov)

PUB. DATA: Gosudarstvennoye nauchno-tekhnicheskoye izdatel'stvo  
literatury po chernoy i tsvetnoy metallurgii, Moscow  
1953, 2 (5) edition, 330 pages, 2,500 copies.

ORIG. AGENCY: Ministerstvo chernoy metallurgii SSSR. Tsentral'nyy  
nauchno-issledovatel'skiy institut chernoy metallurgii.  
Institut stali.

EDITORS: Ivantsov, G.P.; Editor of the Publishing House:  
Gordon, L.M.; Tech.Ed.: Attopovich, M.K.

Card 1/9

Call Nr: AF 1114656

Thermotechnics of Ingots and Furnaces (Cont.)

PURPOSE: This collection of articles was written for research workers, metallurgical engineers, and thermotechnicians.

COVERAGE: This collection contains a number of works of the Steel Institute of the Central Scientific Research Institute of Ferrous Metallurgy on the thermotechnics of steel ingot formation and the hydraulic integrator theory as employed for calculating the crystallization processes, and on various questions connected with the theory of similitudes and its application to metallurgical furnace models. The work is a Soviet contribution. The following personality is mentioned in the foreword: Kirpichev, M.V., Academician. No facilities are mentioned.

References: See Table of Contents.

Card 2/9

Thermotechnics of Ingots and Furnaces (Cont.)

Call Nr: AF 1114656

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Ivantsov, G.P., Afanas'yeva, K.I., and Sel'kin, G.S.  
Research on the Heat Exchange of the Ingot and Mold. 7-59

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There are 17 references, all Russian.

Ivantsov, G.P. Approximate Method of Calculating Ingot Crystallization 60-104

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There are 15 references, all Russian.

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Call Nr: AF 1114656

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There are 12 references, all Russian.

Gel'fer, Ya.M., and Ivantsov, G.P. Investigation of Temperature Fields in the Ingot and Mold by Means of the Hydraulic Integrator 199-224

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There are 4 references, all Russian.

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Call Nr: AF 1114656

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Rostkovskiy, S.Ye. Transfer of Heat by Radiation With  
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274-289

There are 2 references, both Russian.

Card 8/9

Call Nr: AF 1114656

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There are 15 references, 11 of which are Russian.

AVAILABLE: Library of Congress

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ROSTKOVSKIY, S.Ye.

Firing models of flameless furnaces. Sbor.trud.Inst.stali no.2:  
225-273 '53. (MLRA 7:12)  
(Metallurgical furnaces--Models)

ROSTKOVSKIY, S. Ye

Flame modeling of flameless furnaces. Sbor. trud. TSNIICEM no.2:  
225-273 '53. (MLBA 10:6)  
(Heat--Transmission) (Dimensional analysis)

ROSTKOVSKIY, S. Ye.

Heat transmission by radiation in presence of counterflow; theory  
of holding furnaces. Sbor. trud. TSNIICHM no.2:274-288 '53.  
(Heat exchangers) (MIRA 10:6)

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exchange. Sbor. trud. TSNIICHM no.2:289-330 '53. (MIRA 10:6)  
(Heat--Transmission) (Heat regenerators)

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exchange. Sbor.trud.Inst.stali no.2:289-331 '53. (MLRA 7:12)  
(Metallurgical furnaces)

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Heat transmission by countercurrent radiation; on the theory of  
heating furnaces. Sbor.trud.Inst.stali no.2:274-288 '53.  
(MIRA 7:12)

(Heat--Transmission) (Metallurgical furnaces)

ROSTKOVSKAYA, S.Ye. (Moskva)

Concerning the problem of the probability characteristics of the  
reliability of circuit elements. Avtom. i telem. 22 no.11:1504-  
1512 N '61. (MIRA 14:12)

(Electronic industries--Quality control)

KADLUBOWSKI, R.; ROSTKOWSKA, J.

Does primary chemotaxis protect Protozoa from the action of anti-protozoal drugs? Acta physiol.polon.11 no.5/6:756-757 '60.

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Kierownik: doc.dr. R.Kadlubowski.  
(PROTOZOA pharmacol)

ROSTKOWSKA, J.

Poison susceptibility of ciliates (*Paramecium caudatum* Ehrbg.,  
*Stylonychia mytilus* ehrbg.), adapted to the hypertonic medium.  
*Acta Biol Exp* 21:5-14 '61.

1. Department of Biology, Military Academy of Medicine, Department  
of Biology and Medical Parasitology, Academy of Medicine in Lodz.  
(CILIATA pharmacol) (POISONS pharmacol)

KADLUBOWSKI, R.; ROSTKOWSKA, J.

On positive chemotaxis of *Balantidium coli* Stein in relation to certain poisons. Acta physiol.polon. 11 no.5/6:757-758 '60.

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(BALANTIDIUM pharmacol)

KADLUBOWSKI, R.; ROSTKOWSKA, J.

The action of protozoacide preparations on the parasite Balantidium coli Stein in the presence of tween and saponin. Wiadomosci parazyt. 7 no.2:521-523 '61.

1. Katedra Biologii Wojskowej Akademii Medycznej i Katedra Biologii i Parazytologii Lekarskiej Akademii Medycznej, Lodz.

(BALANTIDUM pharmacol) (SURFACE-ACTIVE AGENTS pharmacol)  
(SAPONINS pharmacol)

ROSTKOWSKI, F.

Technical and economic principles guaranteeing economical and accelerated curing of concrete.

p. 19 (Budownictwo Przemyslowe) Vol. 4, no. 9, Sept. 1955, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

ROSTLAPIL, Adolf

By good organization and assistance of model plants to a better quality of products. Sklar a keramik 14 no.9:245-247 S '64.

ROSTLAPIL, Adolf

By good organization and with the help of model plants to  
better quality of products. Kozarstvi 14 no.11:313-315 N '64.

1. Ministry of Consumer Goods Industry, Prague.

ROSTIAPIL, J.

Clinical importance of aimed and non-aimed liver biopsy. Cas.  
lek. cesk. 103 no.40:1102-1106 2 0 '64.

1. II interni klinika lekarske fakulty hygienicke v Praze (pred-  
nosta prof. dr. J. Syllaba, DrSc.).

ZRUSTOVA, M.; ROSTLAPIL, J.

Evaluation of the results of liver biopsy and necropsy. Cas.  
lek. cesk. 103 no.41:1126-1131 9 0 '64.

I. Patologickoanatomicky ustav lekarske fakulty hygienicke  
Karlovy University v Praze (prednosta dr. J. Stolz) a II  
interni klinika lekarske fakulty hygienicke Karlovy Univer-  
sity v Praze (prednosta prof. dr. J. Syllaba, DrSc.).

ROSTLAPIL, J.; ZRUSTOVA, M.

Hepatic changes in Kimmelstiel-Wilson syndrome. Cesk. gastroent.  
16 no.2:100-105 Mr '62.

1. II. interni klinika LFH KU v Praze, prednosta prof. dr. J.Syllaba  
Ustav patologicke anatomie a histologie FLH KU v Praze, prednosta doc.  
dr. J. Stolz.

(KIMMELSTIEL WILSON SYNDROME) (LIVER DISEASES)

ROSTLAPIL, Rudolf

By good organization and with assistance of model enterprises  
to a better quality of products. Drevo 19 no.9:321-323 S '64.

1. Ministry of Consumer Goods Industry, Prague.

CA

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Recovery of organic compounds from the wastes of mineral oil refination. Fritz Rostler, Austrian 158,760, May 25, 1939. The acidic residues of the refination with  $H_2SO_4$  are neutralized with lime, contg. as catalysts mixts. of Fe and  $FeSO_4$  or Cu and  $CuSO_4$  in amts. of approx. 0.01-0.1%. The neutralized product is steam-distd. under reduced pressure at temps. below  $300^\circ$ . F. Epstein

ROSTOCKI, Aleksander Marian, mgr

Conservatory of Arts and Crafts in Paris. Techn motor 14 no.9:  
262-266, 267

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Automobile body made in Turin. Proj. 1 sechn #6 no.8:7 21 F '65.

ROSTOCKI, Aleksander

Complex planning in motorization. Przegl techn no.48:6 30 N  
'60.

ROSTOCKI, Aleksander

Is it worthwhile ~~building~~ double-decker buses? Przegł techn 84 no.3:8  
20 Ja '63.

ROSTOCKI, Aleksander Marian, mgr

Two problems of museum directing in the field of motorization.  
Przegl techn no.2:5,8 10 Ja '62.

ROSTOCKI, Aleksander, mgr.

Motorization, one of the aspects of technological progress.  
Przełł techn no.46:3 16 N '60.

ROSTOCKI, A.

Leipzig reminiscences. p. 127  
(MOTORYZACJA, VOL. 12, No. 5, May, 1957, Warsaw, Poland)

SC: Monthly List of East European Accessions (EFAL) LC, Vol. 6, No. 9, Sept. 1957, Uncl.

ROSTOCCHI, A.

"Organization of automotive transportation."

p. 317 (Motoryzacja) Vol. 12, no. 12, Dec. 1957  
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

ROSTOCKI, A.

Ignorance in motorization. p. 109. MOTORYZACJA, Warszawa.  
Vol. 11, no. 4, Apr. 1956.

SOURCE: East European Acession (EEAL) Library of Congress  
Vol. 5, no. 8, August 1956.

"The Organization of its own Transportation by an Enterprise", p. 33,  
(MST, 1954, Vol. 13, No. 3, Feb. 1954, Warszawa, Poland)

10: Monthly List of East European Accessions, (M.E.A.), 19, Vol. 4, No. 5,  
May 1954, Encl.

ROSTOCKI, A.: KOSZYF, J.

The need of a better plan for using delivery trucks. p. 59

MOTORIZACJA. (Ministerstwo Transportu Drogowego i Lotniczego),  
Warszawa, Poland.  
Vol. 14, No. 3, Mar. 1959

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November 1959  
Uncl.

ROSTOCKI, Aleksander, mgr.

The Motorization Council in the automobile building industry.  
Przeegl techn no.33:3 17 Ag '60.

ROSTOCKI, Aleksander, mgr.

Trucks adjusted to the type of cargo. Przegł techn 31 no.21:  
18-19 My '60.

KOSTOCKI, Aleksander M.

The coordinative character of the Council for Motorization.  
Przepl techn 85 no.19.9 '64.

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"Reviewing of Books." p. 317, (NOTORYZACAJ, Vol. 8, No. 11, Nov. 1953.  
Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC,  
Vol. 3, No. 12, Dec. 1954, Uncl.

ROSTOCKI, A.

"Planning in truck transportation agencies." p. 73  
(Motoryzacja, Vol 8 No 3 Mar 53 Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Uncl

ROSTOCKI, A.

The small library of a driver of one hundred thousand kilometers, p. 23. (MOTORYZACJA, Warszawa, Vol. 10, no. 1, Jan. 1955,)

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4, No. 6, Jun, 1955, Uncl.

ROSTOCKI, Aleksander

Activities of the Council for Motorization. Przegl techn  
no.26:5, 8. JI '62.

ROSTOCKI, Aleksander Marian

Sweden, a motorized country. Przegl techn 85 no.17:4,5 26 Ap '64.

ROSTOCKI, Aleksander M.

Extension of cooperation among the member countries of the  
Council for Economic Mutual Assistance in motorization. Przegl  
techn 84 no.27:6 7 JI '63.

RCSTOCKI, Aleksander

The Council of Motorization, a useful institution. Przegl  
techn 84 no.29:5 21 J1 '63.

ROSTOCKI, Aleksander Marian

Automotive transportation in agriculture. Przegł techn [84]  
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ROSTOCKI, Sleksander, Mgr.

The Museum of Motorization in Turin. Techn motor ll no.10:  
354-360 0 '61.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

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C A

New models of visual polarographs. I. A. Kurshinov and A. P. Rostokin (Gor'kii Univ.). *Zashod.kaya Lab.* 12, 376-8(1948); cf. *C.A.* 40, 2300<sup>2</sup>.—Two models of newly developed visual polarographs are described.  
W. R. Hens

COMMON ELEMENTS

OPEN MATERIALS INDEX

ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

140089 2 133CBO NIP QHV QSE

151121 QK QHV 151

140089 2 133CBO NIP QHV QSE

151121 QK QHV 151

4

*ROSTOKIN, A.P.*

Potentiometer for electrometric work. I. A. Korshunov and A. P. Rostokin. *Zhurnal Khim. Fiz.* 14, 502-3 (1948). The potentiometer is designed for measuring e.m.f. up to 1.0 v. The app. has two variable resistances, one of which is 1/2 of the other. Rough control is accomplished by means of a voltmeter. For a current of 0.001 amp. a cell is connected through special clamps; in this case a zero galvanometer with a sensitivity of  $5 \times 10^{-8}$  amp. is included. B. Z. Kamich

*Inst. Chemistry, Gos'kiy State U.*

ASD-524 METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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1ST AND 2ND GROUPS  
3RD AND 4TH GROUPS

ROSTOKIN, A. P.  
CA

PROCESSES AND PROPERTIES INDEX

1

New construction of capillary microburets. I. M. Korenman and A. P. Rostokin. *Zavodskaya Lab.* 14, 1391-2(1948).--Diagrams of 2 microburets are shown. The app. consists of a capillary (with extended tip) bent into semi-U shape; the open end of the tube is sealed by a micrometer screw assembly, acting on a rubber sealing membrane which in turn operates either against a mercury reservoir or by pneumatic action (see similar microregulator described by Shilov, *J. Chem. Ind. U.S.S.R.* 12, 995(1927)) to move the reagent soln. into or out of the buret. Precision of 0.06-0.004 cu. mm. (by the use of a lens reader) is attainable. G. M. Kosolapoff

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND GROUPS  
3RD AND 4TH GROUPS

1ST AND 2ND GROUPS  
3RD AND 4TH GROUPS

ROSTOKIN, A. P.

USSR/Chemistry - Laboratory Equipment

Jul 50

"Torsion Ultramicrobalance," I. M. Korenman, Ya. N. Fertel'meyster, A. P. Rostokin

"Zavod Lab" Vol XVI, No 7, pp 800-806

Describes new experimental model of ultramicrobalance with quartz filament.  
Minimum weight which could be determined with satisfactory accuracy was  
approximately 5 $\mu$ . At weight of about 1 $\mu$  error in weighing amounted to 10-15%.

166T7

BATALOV, A.P.; ROSTOKIN, G.A.; KORSHUNOV, I.A.

Radical exchange in organometallic compounds. Part 7: Phenyl radical exchange between phenyllithium and bromobenzene in ethyl ether. Zhur.ob.khim. 35 no.12:2146-2150 D '65. (MIRA 19:1)

1. Nauchno-issledovatel'skiy institut khimii pri Gor'kovskom gosudarstvennom universitete imeni N.I.Lobachevskogo. Submitted December 25, 1964.

ACCESSION NR: AR4015646

S/0081/63/000/022/0434/0435

SOURCE: RZh. Khimiya, Abs. 22N50

AUTHOR: Korshunov, I. A.; Batalov, A. P.; Maleneva, I. G.; Rostokin, G. A.

TITLE: Direct synthesis of acrylonitrile from propylene and ammonia

CITED SOURCE: Tr. po khimii i khim. tekhnol. [Gor'kiy], no. 2, 1962, 450-453

TOPIC TAGS: nitrile, acrylonitrile, nitrile synthesis, acrylonitrile synthesis, propylene ammonia reaction

TRANSLATION: Acrylonitrile can be obtained in a one-step process from propylene and  $\text{NH}_3$  (molecular ratio 3:1-1:1) in the presence of the catalysts:  $\text{MoO}_3$  on  $\text{Al}_2\text{O}_3$ , containing 16.7%  $\text{MoO}_3$  (see RZhkhim, 1961, 17L99), or  $\text{BiPO}_4 \cdot 12\text{MoO}_3 \cdot 12\text{H}_2\text{O}$  (see RZhkhim, 1961, 16L108). The reaction takes place either in a stream of air or a mixture of  $\text{O}_2 + \text{N}_2$ . The optimal temperature of the reaction on  $\text{MoO}_3$  in a stream of air is 500C (volume rate = 450/hour), compared to 470C in the stream of  $\text{O}_2 + \text{N}_2$  (volume rate = 540). In the stream of air the yield was higher, and the concentration of  $\text{CO}_2$  obtained as a byproduct during the oxidation of propylene, was slightly lower (5%). The presence of water vapor and reduction of  $\text{MoO}_3$  to

Card: 1/2

ACCESSION NR: AR4015646

Mo<sub>2</sub>O<sub>3</sub> had a positive effect on the yield of acrylonitrile. The yield of acrylonitrile on the second catalyst increased with time of contact. The yield of acrylonitrile was 5% on the basis of the amount of propylene passed through and 30-40% on the basis of the propylene reacted. L.R.

DATE ACQ: 07Jan64

SUB CODE: CH

ENCL: 00

Card 2/2

L 44389-66 EWT(1)

ACC NR: AP6020214 SOURCE CODE: UR/0056/66/050/006/1586/1591

AUTHOR: Rostokin, V. I.

ORG: none

TITLE: Theory of <sup>2/</sup>energy levels of <sup>2/</sup>atoms in plasma

SOURCE: Zh eksper i teor fiz, v. 50, no. 6, 1966, 1586-1591

TOPIC TAGS: atomic theory, atomic spectrum, Coulomb field, Debye length, atomic energy, plasma

ABSTRACT: The energy spectrum of a hydrogen-like atom in a plasma has been investigated on the basis of the cut-off Coulomb potential model. The analytic solution for bound states has been examined in detail for  $l=0$ . Approximate expressions have been obtained for energies of the S-states which determine their dependence on the cut-off range. Critical values of the Debye length in the presence

62  
60  
B

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ACC NR: AP6020214

of which the corresponding S-levels disappear in the spectrum have been found. The author thanks V. A. Kolkunov for his help in this study and V. I. Kogan for his valuable advice and criticism. Orig. art. has: 2 figures and 18 formulas. [Based on author's abstract] [NT]

SUB CODE: 20/ SUBM DATE: 04Jan66/ ORIG REF: 008/ OTH REF: 004/

Card 2/2 *eah*

15.2120

81148  
S/072/60/000/07/06/020  
B015/B008

AUTHORS: Kitaygorodskiy, I. I., Professor, Doctor of Technical Sciences, Rostokinskiy, V. V.

TITLE: Manufacture of Glass Foils 6

PERIODICAL: Steklo i keramika, 1960, No. 7, pp. 21 - 24

TEXT: The dependence of the bending strength of glass foil on its thickness is shown in Fig. 1 according to data by the Institut stekla (Glass Institute). The Soviet scientists A. F. Ioffe, P. P. Kobeko, I. V. Kurchatov, and A. P. Aleksandrov investigated the electric strength of thin glass foils in the years 1932-1933. Investigations in the field of glass foils have greatly advanced in the USSR during the last years, as may be seen from I. I. Kitaygorodskiy's and V. A. Blinov's papers (Ref. 1). An installation for the continuous drawing of glass foils was erected at the kafedra tekhnologii stekla i stekloplastikov (Chair of Glass Technology and Glass Plastics) of the MKhTI imeni D. I. Mendeleyeva (Moskovskiy khimikotekhnologicheskii institut imeni D. I. Mendeleyeva - Moscow Institute of Chemical Technology imeni D. I. Mendeleev). The

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